ESR #			Status (05/01/2021)		NEPA#									
PO-011-2017	Zhangbu Xu	10/01/21	APPROVED	STAR		STAR detector testing and development	0510-1-227	Activities related to development and testing of detector components that will be used for STAR upgrades	EL, CG, SO, FL					
PO-084-2021 PO-018-2016	Stephen Boose	08/07/21	SendReview APPROVED	sPHENIX		sPHENIX Electronic Support	0510-1-91	Comparting all electronic accomply and testing techniques are	EL, SO, FL					
PO-079-2020-NOV-23	Christian Videbaeck		SendReview	STAR		STAR Electronics Support Group.	0510-1-231, 0510-1-236, 0510-1-238	Perform R&D work on STAR Detector electronics, including maintenance and support.	EL, PT, SO, FL, SH, FA		HW (Spraycans)			
PO-025-2016	John Hammond	08/24/21	APPROVED	STAR		see above Cryogenic Test of Front End Electronics		being replaced by PO-079-2020-Nov-23 Activities related to the test and evaluation of front end						
PO-087-2021 PO-030-2016	Hucheng Chen Hucheng Chen	08/16/21 08/16/21	SendReview APPROVED	Omega / DUNE		for LBNE LAr TPC	0510-1-142 (High Bay)	electronics in cryogenic temperature. to be replaced by PO-087-2021	CR, EL, SO					-
PO-031-2016	David Lynn	12/15/21	APPROVED	Omega		Silicon/Electronics Lab for Atlas Upgrade R&D	0510-2-80	Testing of electronics and silicon detectors occurs.	EL, CG, SO, FL			SRS-NA, LAS		
PO-035-2016	Rachid Nouicer	10/22/21	APPROVED	sPHENIX		Intermediate Silicon Tracker (INTT) for sPHENIX Experiment at RHIC	0510-2-211	Testing of the INTermediate Tracker (INTT) is a part of the particle tracking detectors of sPHENIX. The INTT detector consists of four barrel layers of silicon strip detectors.	EL, CG, SO			SRS-NA		
PO-086-2021	Wlodzimierz Guryn	10/29/21	SendReview	RHIC Spin		Detector and data acquisition research and development, RHIC polarimeter detector and DAQ testing, EIC Si detecto development.	0510-1-213	The project involves the design, construction and test of primarily silicon and scintillation detectors, detector control and readout, and data acquisition systems for the pp2pp subsystem of the STAR detector at RHIC.	EL, SO, CG			SRS, SRS-NA, LAS		
PO-044-2015	Wlodzimierz Guryn	10/29/21	APPROVED				0510-1-213	to be replaced by PO-086-2021						
PO-0	Milind Diwan		NEW	Electronic Detector Group (EDG)			0510-2-224	to replace PO-048						
PO-048-2015	Milind Diwan	10/15/21	APPROVED / to be replaced	Electronic Detector Group (EDG)		Design, Construction, and Testing of detectors and other mechanical and electrical assemblies to support particle physics experiments.	0510-2-224	The current experimental effort is concentrated on neutrino, kaon and muon experiments.	EL, SH, SO, PT, FL, CG	Liquid Scint.	HW (Oils)	LAS		
PO-065-2015	David Lynn	10/15/21	APPROVED	Omega		Assembly of modules for Atlas silicon strip detectors	0510-1-208	Assembling and testing Atlas silicon strip modules. This involves	EL, CG					
PO-069-2016	Robert Pisani	10/22/21	APPROVED	sPHENIX		sPHENIX experimental support	0510-2-205-LAB	Support and development for various detectors that are part of future sPhenix experiment at RHC and general R&D. These include work for the Electromagnetic and Hardronic Calorimeters, Silicon Detectors, Time of Flight prototyping, and any support equipment that may need building and testing	EL, CG, PT, SO, SH. FL		HW (Epoxy)			
PO-070-2016	Anze Slosar	10/22/21	APPROVED	Astrophysics		BMX Demonstrator	0510-1-127-LAB, 0839-1-1, Overflow Basin #3	Install protype radio telescope in BNL field area, Overflow Basin	EL, PT, LA, TM					
PO-082-2020	William Fielitz		SendReview	Omega / DUNE		Short Baseline Neutrino Detector, Deep Underground Neutrino Detector, Atlas	0510-1-216, 0510-1-86		CR, SH, EL, SO, CG, FL, PV		Oils			
PO-071-2017	Kenneth Sexton	08/15/21	APPROVED			see above		being re-written (PO-082-2020)	0					
PO-072-2018	Craig Woody	08/01/20	APPROVED	sPHENIX	EA-0508	sPHENIX Detector Support and Development - Calorimeter Labs	0510-2-201, 0510-2-236A, 0510-2-82	support and development of the calorimeter prototypes and detectors that are part of the sPHENIX experiment	EL, SO, SH, PT, FL, CG	Lead bricks	HW (Epoxy)	SRS, SRS-NA, LAS, RGD, UV		
PO-083-2018	Craig Woody	08/15/22	APPROVED	sPHENIX	EA-0508	sPHENIX EMCal Factory and Testing	0510-2-81, 0510-2-82, 0510-2-85, 0510- 1-142	production, assembly, and testing of components of the sPHENIX electromagnetic calorimeter (EMCal).	EL, SO, FL, CG, ER		HW (Epoxy, mixed metal- epoxy dust)			
PO-074-2018-OCT-10	Hucheng Chen	02/01/22	APPROVED	Omega		ATLAS electronics testing lab	0510-1-203, 0510-1-82	test and certification of the Liquid Argon calorimeter front-end electronics	EL, SO					
PO-075-2018-DEC-20	David Lynn	10/01/21	APPROVED	Omega		Assembly and testing of hybrids, modules, and staves for the ATLAS Silicon Strips Upgrade	0510-1-151, 0510-1-260	assembly space where we will assemble hybrids, modules, and staves	EL, CG, LA			LAS		
PO-076-2018-DEC-21	Manhong Zhao	11/20/21	APPROVED	DUNE		DUNE APA cabling mock up	0902-Annex	build a DUNE APA cabling mockup to practice CE box installation, APA cable routing, and signal penetration chimney installation	LA, ER, PT					
PO-077-2019	Yichen Li	06/25/22	APPROVED	Electronic Detector Group (EDG)		Measurement of Electron Transport Properties in LAr	0510-1-142 (High Bay)	developments and characterization of LAr TPCs	CR, EL, SO, CG, PV			SRS-NA, LAS		
PO-078-2019	Andrei Nomerotski	08/15/21	APPROVED	Cosmology		Time resolved imaging with fast camera	0510-2-225A, 0510-2-225B		EL, SO			SRS-NA, LAS		
PO-079-2019	Leslie Bland	08/15/22	APPROVED	STAR		STAR FHC upgrade and detector development.	0510-2-87		EL, SP, PT, FL					
PO-080-2019	Babak Azmoun	10/15/21	APPROVED	SPHENIX		sPHENIX Detector Support and Development - Gas Detectors	0510-2-198, 0510-2-208	continued support and development of various detectors that are part of the sPHENIX experiment at RHIC and other new detectors which are planned as part of the STAR upgrade programs or for the NEXO neutrino-less double beta decay experiment.	LA, PT, CG, SO, FL, EL	том	SF6	SRS, SRS-NA, LAS, RGD, UV		
PO-081-2019	Vladimir Tishchenko	10/15/21	APPROVED	Electronic Detector Group (EDG)		Design, Construction and Testing of detectors and other mechanical and electrical assemblies to support particle physics experiments.	0510-2-233	and muon experiments that are currently running or are being proposed to run at sites remote from BNL	EL, PT, SH, SO, CG, FL			SRS-NA, LAS		
								CR = Cryogens EL = Electrical Hazard GG = Compressed Gas SO = soldering, electronics work LA = Ladders, Fall hazards SH = Sharps (non-biohazard) PT = Power Tools PF = Pressured Vessel						

HW = Hazardous Waste
TOM = Toxic metals (e.g., As, Ba, Be, Cd, Cr, Hg, Pb, Se, Ag)

SRS = Sealed Radioactive Source SRS-NA = Sealed Radioactive Source non-accountable LAS = Lasers RGD = Radiation-generating devices Exempt Non-Exempt

FL = Flammable Liquids

FG = Flammable Gas